

ABSTRACT OF DISCLOSURE

A color lighting apparatus and method which has a small optical apparatus or method illuminating color beams with a high optical efficiency and an image projection apparatus and method using the same. The color lighting apparatus includes a light source, a color beam separating unit for separating incident light according to predetermined wavelength bands, a first condensing lens which condenses the light separated by the color beam separating unit, and a scrolling unit which changes the travel paths of beams separated according to the predetermined wavelength bands, forms color bars at different locations, and scrolls the incident light so as to periodically scroll the color bars. The image projection apparatus includes the color lighting apparatus, a second condensing lens which again focuses incident light, a uniform light forming unit which makes light passing through a scrolling unit into uniform light, an image forming device which forms an image from the light passing through the uniform light forming unit, and a projection lens unit which magnifies and projects the image produced from the image forming device onto a screen.